

# USPS Pricing Engine SDK

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June 05, 2020

## Summary

This is the Domestic and International Pricing Engine SDK (version 11.9.0.0) for the July 2020 Release. The following is a list of enhancements included in this release.

### **BNS 5295 - RCalc/Price Engine - Intl Outbound Country-Based Pricing**

Allows for changes to country information based on an effective date. GetCountryInformation which will now return multiple price types each with a price group, to enable different price groups to be assigned by Price Type. Price Types are R (Retail), B (Commercial Base), P (Commercial Plus), 1 (NSA1), 2 (NSA2).

### **BNS 5295 - RCalc July 2020 - Remove UPUXIT Code from Price Engine**

Removed UPUXIT code that will not be used.

### **Effective Date for International Zone Charts**

The international zone returned by Price Engine for Canada is now based on the mail date.

### **Price Engine - Remove Table-Oriented Code**

Removed table-oriented code no longer used with SKU-based pricing.

### **Trap/Handle Invalid SDC/Kahala Response to ServiceDeliveryExtensions.International.Providers.OnlineProvider**

An exception and an error message will be report when an attempt to communicate with SDC/Kahala fails.

## **Changes to the Database Structure**

There are no new databases in this release. That is different from previous price changes but since there were no new prices it was deemed un-necessary. There are a number of new tables and modifications to existing table structures to support the 11.9.0.0 updates.

### **Updated version number and sign all DLLs**

All the libraries have been update to version 11.9.0.0 and re-signed.

## **Databases**

Again, there are no new databases. The scripts supplied will perform the updates required. Please note a new folder, the SKUDictionary folder. The SQL scripts contained within are to be executed on the domestic and international databases.

The simplest way to execute these is to use the batch script “sql\_update.bat”. Execute the batch file and pass in the database name as a parameter as shown below:

- sql\_update USPS\_DOM\_2020\_01
- sql\_update USPS\_INTL\_2020\_01

If you cannot use the batch script, they are displayed in the required execution order.

## Impact on Existing Applications

You will have to rebuild your applications.

## Instructions

1. Copy the DLLs
2. Backup your existing Price Engine databases
3. Apply the SQL scripts shown in the Contents below.

## Contents

Description	File
<b>Folder</b>	SQL
<b>Folder</b>	SKUDictionary
<b>Database</b>	Both domestic and international databases (USPS_DOM_2020_01 and USPS_INTL_2020_01)
<b>SQL Script</b>	B-396488 Create SKU Dictionaries.sql
<b>SQL Script</b>	B-396488_SKUColumnTitles_Truncate.sql
<b>SQL Script</b>	B-396488_SKUColumnTitles.sql
<b>SQL Script</b>	B-396488_SKUCrossReference_Truncate.sql
<b>SQL Script</b>	B-396488_SKUCrossReference.sql
<b>SQL Script</b>	B-396488_SKUDictionaries_Truncate.sql
<b>SQL Script</b>	B-396488_SKUDictionaries.sql
<b>SQL Script</b>	B-396488_SKUVariation_Truncate.sql
<b>SQL Script</b>	B-396488_SKUVariation.sql
<b>SQL Script</b>	B-396488_Add_SKUDictionaries_CacheAge.sql
<b>Folder</b>	Domestic
<b>Database</b>	USPS_DOM_2020_01
<b>SQL Script</b>	None
<b>Database</b>	USPS_INTL_2020_01
<b>SQL Script</b>	B-404421 Implement Effective Date for International Zone Charts.sql

<b>SQL Script</b>	BNS 5295 Modity Table Structure.sql
<b>SQL Script</b>	BNS 5295 Set Price Groups.sql
<b>Folder</b>	DLL
<b>Rate Engine Framework</b>	RateEngine_Framework.dll
<b>Business Framework</b>	RateEngine_Business.dll
<b>Domestic Business Rate Engine</b>	RateEngine_DomBusiness.dll
<b>International Business Rate Engine</b>	RateEngine_IntlBusiness.dll
<b>Service Delivery Extensions</b>	ServiceDeliveryExtensions.dll
<b>Customs Forms Engine</b>	CustomsFormsEngine.dll
<b>Release Notes</b>	USPS Pricing Engine SDK 11_9_0_0.pdf

## Reported Defects and Change Request

Title		Status
D-50175, D-50188	GXG Dimensional Weight Returns Incorrect Price	Completed